
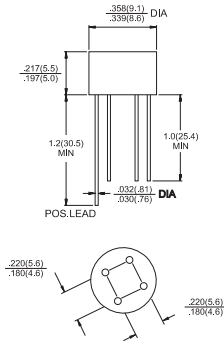


<div>TSC Sb</div>	<div>2W005GM THRU 2W10GM</div> <div>Single Phase 2.0 AMPS. Glass Passivated Bridge Rectifiers</div>								
<div></div>	<div>Voltage Range</div> <div>50 to 1000 Volts</div> <div>Current</div> <div>2.0 Amperes</div>								
<div>Features</div> <div><div>✧ UL Recognized File # E-96005</div><div>✧ Glass passivated junction</div><div>✧ High surge current capability</div><div>✧ Ideal for printed circuit board</div><div>✧ Reliable low cost construction technique results in inexpensive product</div><div>✧ High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" ( 9.5mm ) lead length at 5 lbs. ( 2.3 Kg ) tension</div><div>✧ Weight: 1.10 grams</div></div>	<div><div>WOB</div><div></div><div>Dimensions in inches and (millimeters)</div></div>								
<div>Maximum Ratings and Electrical Characteristics</div> <div>Rating at 25°C ambient temperature unless otherwise specified.</div> <div>Single phase, half wave, 60 Hz, resistive or inductive load.</div> <div>For capacitive load, derate current by 20%</div>									
<div>Type Number</div>	<div>Symbol</div>	<table><tr><td>2W005GM</td><td>2W01GM</td><td>2W02GM</td><td>2W04GM</td><td>2W06GM</td><td>2W08GM</td><td>2W10GM</td></tr></table> <div>Units</div>	2W005GM	2W01GM	2W02GM	2W04GM	2W06GM	2W08GM	2W10GM
2W005GM	2W01GM	2W02GM	2W04GM	2W06GM	2W08GM	2W10GM			
<div>Maximum Recurrent Peak Reverse Voltage</div>	<div>V<sub>RRM</sub></div>	<div>50</div> <div>100</div> <div>200</div> <div>400</div> <div>600</div> <div>800</div> <div>1000</div>	<div>V</div>						
<div>Maximum RMS Voltage</div>	<div>V<sub>RMS</sub></div>	<div>35</div> <div>70</div> <div>140</div> <div>280</div> <div>420</div> <div>560</div> <div>700</div>	<div>V</div>						
<div>Maximum DC Blocking Voltage</div>	<div>V<sub>DC</sub></div>	<div>50</div> <div>100</div> <div>200</div> <div>400</div> <div>600</div> <div>800</div> <div>1000</div>	<div>V</div>						
<div>Maximum Average Forward Rectified Current @ T<sub>A</sub> = 50°C</div>	<div>I<sub>(AV)</sub></div>	<div>2.0</div>	<div>A</div>						
<div>Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method )</div>	<div>I<sub>FSM</sub></div>	<div>50</div>	<div>A</div>						
<div>Maximum Instantaneous Forward Voltage @ 2.0A</div>	<div>V<sub>F</sub></div>	<div>1.1</div>	<div>V</div>						
<div>Maximum DC Reverse Current @ T<sub>A</sub>=25°C at Rated DC Blocking Voltage @ T<sub>A</sub>=125°C</div>	<div>I<sub>R</sub></div>	<div>10</div> <div>500</div>	<div>uA</div> <div>uA</div>						
<div>Typical Thermal Resistance (Note)</div>	<div>R<sub>θJA</sub></div> <div>R<sub>θJL</sub></div>	<div>40</div> <div>15</div>	<div>°C/W</div>						
<div>Operating Temperature Range</div>	<div>T<sub>J</sub></div>	<div>-55 to +150</div>	<div>°C</div>						
<div>Storage Temperature Range</div>	<div>T<sub>STG</sub></div>	<div>-55 to +150</div>	<div>°C</div>						

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead at 0.375" (9.5mm) Lead Length for P.C.B. Mounting.

## RATINGS AND CHARACTERISTIC CURVES (2W005GM THRU 2W10GM)

FIG.1- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT

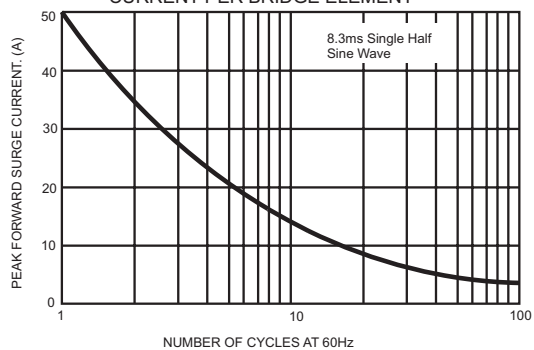


FIG.2- MAXIMUM FORWARD CURRENT DERATING CURVE

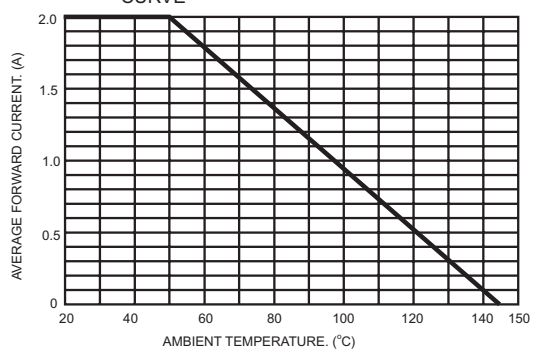


FIG.3- TYPICAL FORWARD CHARACTERISTICS

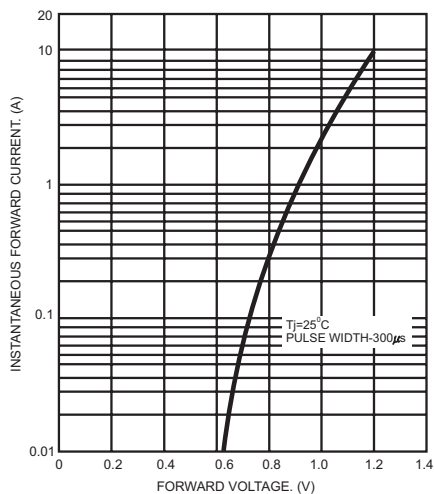


FIG.4- TYPICAL REVERSE CHARACTERISTICS

